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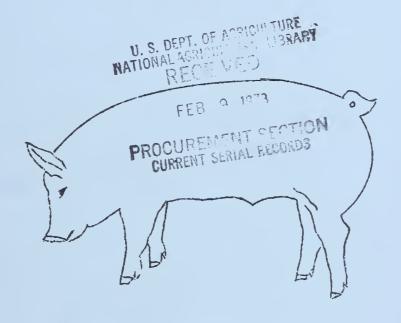
SWINE IMPROVEMENT

IV

During the Period 1965 - 1966

By

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FOREWORD

Swine Improvement is, hopefully, a reasonably complete Bibliography in one readily accessible source. All of the articles listed have a bearing on Swine Breeding Plans. Many early and unpublished studies, not readily available to current research workers are included, especially in Volumes I-III. Citations are limited to articles written in English or with English Summaries. An ABA citation is included whenever available.

Swine Improvement is an expansion and more carefully edited version of Bibliography of Swine Improvement. Volume IV is a merger and updating of Volumes V and VI of the Bibliography of Swine Improvement. Many additional citations are included.

Sources of the citations included: 1) Bibliographies of Technical Articles 2) Library Search at Iowa State and other Universities, 3) the Bibliography of Agriculture, 4) Animal Breeding Abstracts, 5) Bibliography of Reproduction, 6) Braude's Index of Current Research in Pigs, 7) Microfilm Abstracts, 8) Dissertation Abstracts, 9) Ward's Index of Scientific and Economic Studies of Particular Significance to the Swine Industry in the United Kingdom, 10) Experiment Station

Annual Reports, 11) Biological Abstracts, 12) Experiment Station

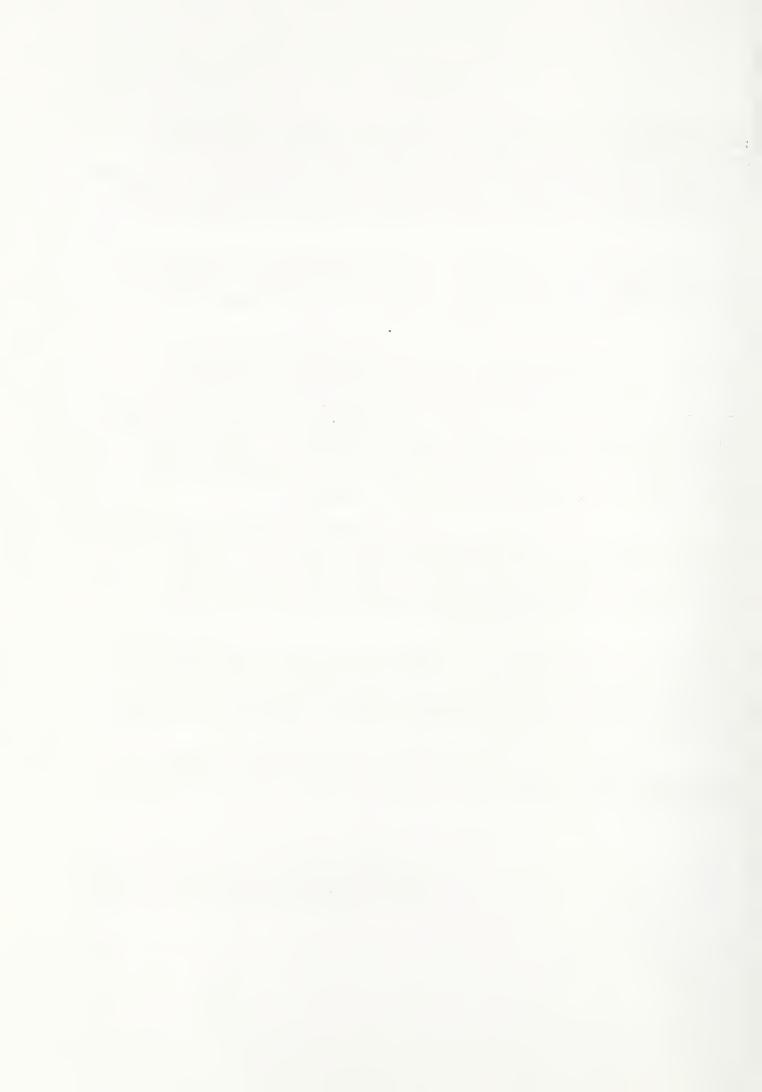
Record, 13) Agricultural Index, and other sources.

In addition to swine genetics, the Bibliography now includes selected technical articles in reproductive physiology, meats, production, nutrition, physiology, zoology, and veterinary medicine. Popular articles by swine geneticists in this country were included, when known. Testing Station reports were not usually included, unless several years work was summarized.

In editing the Bibliography, a listing of all journals used with date of issue and volume numbers at ten year intervals evolved. A standard listing of abbreviations was also compiled. This was issued as A Guide to Swine Breeding Literature (1968). Several new journals not included in this listing are found in the present volume.

Due to a reorganization of the activities of this office, Swine Improvement will be discontinued with the issuance of this or perhaps one or two more volumes.

> Charles E. Shelby, Investigations Leader Regional Swine Breeding Investigations



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 - 2. Status of swine surviving gamma-neutron irradiation from an Atomic detonation. (Table 7) pp. 4-6.
 - 3. Summary, late effects. pp. 8-9.
 - 4. Table 4. p. 16.
 - 5. Table 7. pp. 21-25.

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 - 2. Status of swine surviving gamma-neutron irradiation from an Atomic detonation. (Table 7) pp. 6-7.
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 - 7. Figure 3. p. 31.

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 - 1. Swine (a) Effects of neutron irradiation of pregnant sows on development of their offspring. p. 38. (b) Effects of irradiation on ovarian development in the prepubertal gilt. p. 38.
 - 2. Tissue culture studies (swine). pp. 39-40.
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 - 3. Figures pp. 64-65.

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 - 3. Life span of porcine erythrocytes as estimated from selenium-75 turnover. p. 68.
 - 4. Effect of roasting on Sr concentration in hams and short loins containing bone. p. 68.
 - 5. Determination of mucopolysaccharides in kidney and intestinal mucus of sheep, swine, and cattle. p. 69.
 - 6. Table 19. p. 72
 - 7. Table 20. p. 73.

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